

# MANUFACTURING A PRODUCT

V.Ryan © 2000 - 2011

On behalf of The World Association of Technology Teachers

## W.A.T.T.



World Association of Technology Teachers

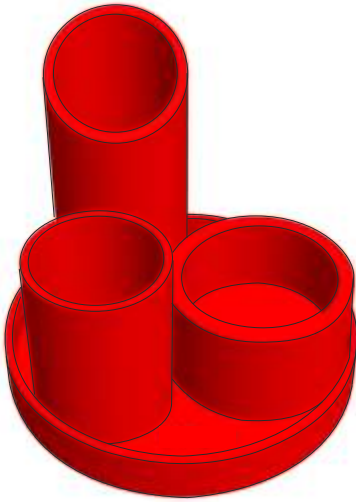
This exercise can be printed and used by teachers and students. It is recommended that you view the website ([www.technologystudent.com](http://www.technologystudent.com)) before attempting the design sheet .

THESE MATERIALS CAN BE PRINTED AND USED BY TEACHERS AND STUDENTS.  
THEY MUST NOT BE EDITED IN ANY WAY OR PLACED ON ANY OTHER MEDIA INCLUDING WEB SITES AND INTRANETS.  
NOT FOR COMMERCIAL USE.  
THIS WORK IS PROTECTED BY COPYRIGHT LAW.  
IT IS ILLEGAL TO DISPLAY THIS WORK ON ANY WEBSITE/MEDIA STORAGE OTHER THAN [www.technologystudent.com](http://www.technologystudent.com)

## EXAMINATION QUESTION

V.Ryan © 2011 World Association of Technology Teachers

DESK TIDY 'A'



2. Materials such as polystyrene, nylon, polypropylene and polythene can be used in a process called injection moulding. These are thermoplastics - this means when they are heated and then pressured in a mould they can be formed into different shapes.

The desk tidy seen opposite has been made in one piece using this process.

With the aid of sketches and notes explain the manufacture of the top. Marks will be awarded for the quality of notes and sketches

**STAGE ONE:** USE OF CAD (COMPUTER AIDED DESIGN)

**STAGE TWO:** INJECTION MOULDING

**STAGE THREE:** QUALITY FINISHING